

D. JIANG

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**RAW SEQUENCE LISTING
PATENT APPLICATION US/09/373,230**

DATE: 11/16/2000
TIME: 04:29:23

INPUT SET: S36111.raw

This Raw Listing contains the General Information Section and up to the first 5 pages.

SEQUENCE LISTING

3 (1) General Information:

4

5 (i) APPLICANT: OKAMURA, Haruki
6 TANIMOTO, Tadao
7 TORIGOE, Kakaji
8 KUNIKATA, Toshio
9 TANIGUCHI, Mutsuko
10 KOHNO, Keizo
11 KURIMOTO, Masashi

12

13 (ii) TITLE OF INVENTION: IFN-BETA PRODUCTION INDUCING PROTEIN AND
14 MONOCLONAL ANTIBODY OF THE SAME

15

16 (iii) NUMBER OF SEQUENCES: 9

17

18 (iv) CORRESPONDENCE ADDRESS:
19 (A) ADDRESSEE: BROWDY AND NEIMARK
20 (B) STREET: 419 Seventh Street, N.W., Suite 300
21 (C) CITY: Washington
22 (D) STATE: D.C.
23 (E) COUNTRY: USA
24 (F) ZIP: 20004

25

26 (v) COMPUTER READABLE FORM:
27 (A) MEDIUM TYPE: Floppy disk
28 (B) COMPUTER: IBM PC compatible
29 (C) OPERATING SYSTEM: PC-DOS/MS-DOS
30 (D) SOFTWARE: PatentIn Release #1.0, Version #1.30

31

32 (vi) CURRENT APPLICATION DATA:
33 (A) APPLICATION NUMBER: 09/373,230
34 (B) FILING DATE:
35 (C) CLASSIFICATION:

36

37 (vii) PRIOR APPLICATION DATA:
38 (A) APPLICATION NUMBER: 08/502,535
39 (B) FILING DATE:

40

41 (vii) PRIOR APPLICATION DATA:
42 (A) APPLICATION NUMBER: JP 45057/1995
43 (B) FILING DATE: 10-FEB-1995

44

45 (viii) ATTORNEY/AGENT INFORMATION:
46 (A) NAME: BROWDY, Roger L.

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47 (B) REGISTRATION NUMBER: 25,618
48 (C) REFERENCE/DOCKET NUMBER: OKAMURA=2
49
50 (ix) TELECOMMUNICATION INFORMATION:
51 (A) TELEPHONE: 202-628-5197
52 (B) TELEFAX: 202-737-3528
53
54 (2) INFORMATION FOR SEQ ID NO:1:
55
56 (i) SEQUENCE CHARACTERISTICS:
57 (A) LENGTH: 471 base pairs
58 (B) TYPE: nucleic acid
59 (C) STRANDEDNESS: single
60 (D) TOPOLOGY: linear
61
62 (ii) MOLECULE TYPE: cDNA
63
64 (ix) FEATURE:
65 (A) NAME/KEY: CDS
66 (B) LOCATION: 1..471
67
68 (D) OTHER INFORMATION:/note= Xaa in position 70 is Met or Thr
69
70 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:
71
72 AAC TTT GGC CGA CTT CAC TGT ACA ACC GCA GTA ATA CGG AAT ATA AAT 48
73 Asn Phe Gly Arg Leu His Cys Thr Thr Ala Val Ile Arg Asn Ile Asn
74 1 5 10 15
75
76 GAC CAA GTT CTC TTC GTT GAC AAA AGA CAG CCT GTG TTC GAG GAT ATG 96
77 Asp Gln Val Leu Phe Val Asp Lys Arg Gln Pro Val Phe Glu Asp Met
78 20 25 30
79
80 ACT GAT ATT GAT CAA AGT GCC AGT GAA CCC CAG ACC AGA CTG ATA ATA 144
81 Thr Asp Ile Asp Gln Ser Ala Ser Glu Pro Gln Thr Arg Leu Ile Ile
82 35 40 45
83
84 TAC ATG TAC AAA GAC AGT GAA GTA AGA GGA CTG GCT GTG ACC CTC TCT 192
85 Tyr Met Tyr Lys Asp Ser Glu Val Arg Gly Leu Ala Val Thr Leu Ser
86 50 55 60
87
88 GTG AAG GAT AGT AAA AYG TCT ACC CTC TCC TGT AAG AAC AAG ATC ATT 240
89 Val Lys Asp Ser Lys Xaa Ser Thr Leu Ser Cys Lys Asn Lys Ile Ile
90 65 70 75 80
91
92 TCC TTT GAG GAA ATG GAT CCA CCT GAA AAT ATT GAT GAT ATA CAA AGT 288
93 Ser Phe Glu Glu Met Asp Pro Pro Glu Asn Ile Asp Asp Ile Gln Ser
94 85 90 95
95
96 GAT CTC ATA TTC TTT CAG AAA CGT GTT CCA GGA CAC AAC AAG ATG GAG 336
97 Asp Leu Ile Phe Phe Gln Lys Arg Val Pro Gly His Asn Lys Met Glu
98 100 105 110
99

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100
101 TTT GAA TCT TCA CTG TAT GAA GGA CAC TTT CTT GCT TGC CAA AAG GAA 384
102 Phe Glu Ser Ser Leu Tyr Glu Gly His Phe Leu Ala Cys Gln Lys Glu
103 115 120 125
104
105 GAT GAT GCT TTC AAA CTC ATT CTG AAA AAA AAG GAT GAA AAT GGG GAT 432
106 Asp Asp Ala Phe Lys Leu Ile Leu Lys Lys Asp Glu Asn Gly Asp
107 130 135 140
108
109 AAA TCT GTA ATG TTC ACT CTC ACT AAC TTA CAT CAA AGT 471
110 Lys Ser Val Met Phe Thr Leu Thr Asn Leu His Gln Ser
111 145 150 155
112
113
114 (2) INFORMATION FOR SEQ ID NO:2:
115
116 (i) SEQUENCE CHARACTERISTICS:
117 (A) LENGTH: 157 amino acids
118 (B) TYPE: amino acid
119 (D) TOPOLOGY: linear
120
121 (ii) MOLECULE TYPE: protein
122
123 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:
124
125 Asn Phe Gly Arg Leu His Cys Thr Thr Ala Val Ile Arg Asn Ile Asn
126 1 5 10 15
127
128 Asp Gln Val Leu Phe Val Asp Lys Arg Gln Pro Val Phe Glu Asp Met
129 20 25 30
130
131 Thr Asp Ile Asp Gln Ser Ala Ser Glu Pro Gln Thr Arg Leu Ile Ile
132 35 40 45
133
134 Tyr Met Tyr Lys Asp Ser Glu Val Arg Gly Leu Ala Val Thr Leu Ser
135 50 55 60
136
137 Val Lys Asp Ser Lys Xaa Ser Thr Leu Ser Cys Lys Asn Lys Ile Ile
138 65 70 75 80
139
140 Ser Phe Glu Glu Met Asp Pro Pro Glu Asn Ile Asp Asp Ile Gln Ser
141 85 90 95
142
143 Asp Leu Ile Phe Phe Gln Lys Arg Val Pro Gly His Asn Lys Met Glu
144 100 105 110
145
146 Phe Glu Ser Ser Leu Tyr Glu Gly His Phe Leu Ala Cys Gln Lys Glu
147 115 120 125
148
149 Asp Asp Ala Phe Lys Leu Ile Leu Lys Lys Asp Glu Asn Gly Asp
150 130 135 140
151
152 Lys Ser Val Met Phe Thr Leu Thr Asn Leu His Gln Ser

**RAW SEQUENCE LISTING
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153 145 150 155
154
155 (2) INFORMATION FOR SEQ ID NO:3:
156
157 (i) SEQUENCE CHARACTERISTICS:
158 (A) LENGTH: 20 base pairs
159 (B) TYPE: nucleic acid
160 (C) STRANDEDNESS: single
161 (D) TOPOLOGY: linear
162
163 (ii) MOLECULE TYPE: other nucleic acid
164 (A) DESCRIPTION: /desc = "Oligonucleotide"
165
166
167 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:
168
169 ATRTCRTCDA TRTTYTCNGG 20
170
171 (2) INFORMATION FOR SEQ ID NO:4:
172
173 (i) SEQUENCE CHARACTERISTICS:
174 (A) LENGTH: 20 base pairs
175 (B) TYPE: nucleic acid
176 (C) STRANDEDNESS: single
177 (D) TOPOLOGY: linear
178
179 (ii) MOLECULE TYPE: other nucleic acid
180 (A) DESCRIPTION: /desc = "Oligonucleotide"
181
182
183 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:
184
185 TTYGARGAYA TGACNGAYAT 20
186
187 (2) INFORMATION FOR SEQ ID NO:5:
188
189 (i) SEQUENCE CHARACTERISTICS:
190 (A) LENGTH: 17 base pairs
191 (B) TYPE: nucleic acid
192 (C) STRANDEDNESS: single
193 (D) TOPOLOGY: linear
194
195 (ii) MOLECULE TYPE: other nucleic acid
196 (A) DESCRIPTION: /desc = "Oligonucleotide"
197
198
199 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:
200
201 TTYGARGARA TGGAYCC 17
202
203 (2) INFORMATION FOR SEQ ID NO:6:
204
205 (i) SEQUENCE CHARACTERISTICS:

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206 (A) LENGTH: 26 base pairs
207 (B) TYPE: nucleic acid
208 (C) STRANDEDNESS: single
209 (D) TOPOLOGY: linear
210
211 (ii) MOLECULE TYPE: cDNA
212
213
214 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:
215
216 CGAGGGATCG AACTTGGCC GACTTC 26
217
218 (2) INFORMATION FOR SEQ ID NO:7:
219
220 (i) SEQUENCE CHARACTERISTICS:
221 (A) LENGTH: 26 base pairs
222 (B) TYPE: nucleic acid
223 (C) STRANDEDNESS: single
224 (D) TOPOLOGY: linear
225
226 (ii) MOLECULE TYPE: cDNA
227
228
229 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:7:
230
231 CGAGGAATTCT CTAACATTGA TGTAAG 26
232
233 (2) INFORMATION FOR SEQ ID NO:8:
234
235 (i) SEQUENCE CHARACTERISTICS:
236 (A) LENGTH: 42 base pairs
237 (B) TYPE: nucleic acid
238 (C) STRANDEDNESS: single
239 (D) TOPOLOGY: linear
240
241 (ii) MOLECULE TYPE: cDNA
242
243
244 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:8:
245
246 GAGGAATTCT GGAGGAAGGT ACCATGAACT TTGGCCGACT TC 42
247
248 (2) INFORMATION FOR SEQ ID NO:9:
249
250 (i) SEQUENCE CHARACTERISTICS:
251 (A) LENGTH: 26 base pairs
252 (B) TYPE: nucleic acid
253 (C) STRANDEDNESS: single
254 (D) TOPOLOGY: linear
255
256 (ii) MOLECULE TYPE: cDNA
257
258

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SEQUENCE VERIFICATION REPORT
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**SEQUENCE MISSING ITEM REPORT
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< < THERE ARE NO ITEMS MISSING > >

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SEQUENCE CORRECTION REPORT
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